

~~TOP SECRET CHESS RUFF~~

NPIC R-140 64

OAK - PART II

MISSION 1004-1

PREFACE

THIS IS THE SECOND AND LAST DAILY OAK REPORT ON MISSION 1004-1 DEALING WITH THE HIGHEST PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS 23 FEBRUARY 1964, TO 1500 HOURS, 24 FEBRUARY 1964 PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS NOT OBSERVED ON MISSION 1004-1 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. ALL TARGETS IN THIS REPORT ARE LOCATED IN THE USSR UNLESS OTHERWISE INDICATED.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESES AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITION WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 1004-1 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

DECLASSIFICATION REVIEW BY NIMA / DoD

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HIGHLIGHTS

25X1D 1. SUSPECT AMM ACTIVITY, ANGARSK AREA (MISSILE BONUS 1)
CONSTRUCTION ACTIVITY CONTINUES AT THIS INSTALLATION AND A NEW
LINEAR CLEARING ABOUT 3,000 BY 250 FT IN SIZE HAS BEEN DEVELOPED
SINCE [REDACTED]. UNIDENTIFIED ACTIVITY IS OBSERVED AT ITS
APPROXIMATE CENTER. THREE SEPARATE SUPPORT AREAS ARE NEWLY
IDENTIFIED NNE OF THIS FACILITY.

2. SLAVUTA FIXED FIELD TYPE MRBM SITE (MISSILE BONUS 2)
A NEWLY IDENTIFIED FIXED FIELD TYPE MRBM SITE CONTAINING THREE
ELONGATED CLEARINGS ON A DOUBLE LOOP ROAD IS LOCATED 4 NM ESE OF
SLAVUTA AT 50-16N 026-57E.

25X1A 3. ARTEM AIRFIELD NORTH (COMOR [REDACTED])
A NEWLY IDENTIFIED AIR-TO-SURFACE MISSILE STORAGE SITE IS LOCATED
IMMEDIATELY NORTH OF THE AIRFIELD AT 43-24-30N 132-10-00E.

25X2

STATUS OF COMOR TARGET READOUT

A TOTAL OF 64 COMOR TARGETS WERE OBSERVED IN THE CURRENT REPORTING
PERIOD AND ARE COVERED BY THIS REPORT.

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25X1A

MISSILES

VERKHNYAYA SALDA ICBM COMPLEX 5802N 06023E

LAUNCH AREAS H (SITE 9) AND I (SITE 10) ARE NOW COMPLETE.

A NEW AREA OF ACTIVITY ABOUT 2,700 FT SOUTH OF LAUNCH AREA F (SITE 7) MAY BE THE FUTURE LOCATION OF A RIM FACILITY. ACTIVITY SIMILAR TO THAT AT AREA F (SITE 7) IS NOTED AT AREA G (SITE 8). THIS ACTIVITY, CONTAINING 3 POSSIBLE BUILDINGS, IS APPROXIMATELY 2,700 FT EAST OF THE AREA.

25X1B

25X1D

NO ABM ACTIVITY OBSERVED IN WESTERN TWO-THIRDS OF SEARCH AREA.

25X1A

SVOBODNYI ICBM COMPLEX 5146N 12807E

THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, LAUNCH AREAS A (SITE 3), D (SITE 4), E (SITE 6), G (SITE 7), H (SITE 8) ARE COVERED. NO SIGNIFICANT CHANGES OBSERVED. HOWEVER, SNOW COVER PRECLUDES DETAILED INTERPRETATION.

LAUNCH AREAS A (SITE 3), D (SITE 4), F (SITE 5), AND H (SITE 8) -- IDENTIFICATION ONLY.

NEW UNIDENTIFIED ACTIVITY IS APPARENT ON THE EAST SIDE OF THE COMPLEX MAIN ROAD BETWEEN LAUNCH AREAS E (SITE 6) AND G (SITE 7) AT 51-41N 127-57E.

NO ABM ACTIVITY DETECTED WITHIN 50-NM RADIUS TO THE WEST OF COMPLEX. EASTERN RADIUS IS NOT COVERED.

25X1D

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25X1D

25X1A

KOSTROMA ICBM COMPLEX 5746N 04101E

COMPLEX SUPPORT FACILITY AND LAUNCH AREA D (SITE 4) ARE CLOUD COVERED. ALL OTHER ELEMENTS OF THE COMPLEX ARE OBSCURED BY HAZE AND HEAVY SNOW. NO ABM RELATED INSTALLATIONS IDENTIFIED WITHIN 50-NM RADIUS OF COMPLEX.

25X1D

PERM ICBM COMPLEX 5742N 05619E

NO APPARENT CHANGE IN COMPLEX SUPPORT FACILITY AND RAIL-TO-ROAD TRANSFER POINT. LAUNCH AREAS A (SITE 1) AND C (SITE 2) COULD BE IDENTIFIED BUT NOT INTERPRETED.

NO ABM ACTIVITY OBSERVED IN EASTERN HALF OF SEARCH AREA.

25X1D

YEDROVO ICBM COMPLEX 5751N 03341E

NO SIGNIFICANT CHANGES OBSERVED AT ANY OF THE FACILITIES. HOWEVER, SMALL SCALE AND OBLIQUITY LIMIT INTERPRETATION. NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS TO THE EAST OF THE COMPLEX. THE WESTERN HALF OF THE SEARCH AREA IS NOT COVERED.

25X1D

GLADKAYA ICBM COMPLEX 5605N 09213E

SNOW COVER, SHADOWS AND PHOTO QUALITY PRECLUDE DETAILED INTERPRETATION OF THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT AND LAUNCH AREAS A (SITE 3), B (SITE 2), C (SITE 4), D (SITE 5), E (SITE 6).

NO ABM ACTIVITY NOTED WITHIN A 50-NM RADIUS WEST OF

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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THE COMPLEX. EASTERN HALF NOT COVERED.

25X1A

25X1D

KOVYLKINO SUSPECT ICBM AREA 5402N 04356E

NO SSM ACTIVITY OBSERVED IN EASTERN HALF OF SEARCH AREA. WESTERN HALF NOT COVERED.

25X1D

SIMUNA MRBM LAUNCH SITE 5908N 02626E

NO HARDENED SSM INSTALLATIONS OF KNOWN CONFIGURATION PRESENT WITHIN 25-NM RADIUS. AREA CAN BE NEGATED.

25X1D

TAPA SUSPECT MISSILE AREA 5916N 02558E

NO SSM INSTALLATION OF KNOWN CONFIGURATION OTHER THAN RAKVERE MRBM LAUNCH COMPLEX OBSERVED IN SEARCH AREA.

AREA CAN BE NEGATED.

25X1D

PETROVSKIY IRBM LAUNCH SITE 5000N 05658E

SITE IS IN A MID-STAGE OF CONSTRUCTION.

25X1D

KURDZHIPS KAYA MRBM LAUNCH SITE 4431N 04000E

NO NEW SSM ACTIVITY IDENTIFIED IN WESTERN PORTION OF SEARCH AREA.

SMALL SCALE AND SNOW COVER PRECLUDE NEGATION.

25X1D

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25X1A

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KARAKHOBDA IRBM LAUNCH SITE 4957N 05651E
SITE IN EARLY STAGES OF CONSTRUCTION.

25X1D

OTYNYA MRBM LAUNCH SITE 4847N 02450E
NO APPARENT CHANGE SINCE [REDACTED]
NO ADDITIONAL SSM ACTIVITY IDENTIFIED WITHIN 25-NM
RADIUS, HOWEVER, SNOW COVER AND SMALL SCALE PRECLUDE
NEGATION.

25X1D

SOKAL MRBM LAUNCH SITE 3 5020N 02426E

NO ADDITIONAL SSM ACTIVITY OBSERVED WITHIN 25-NM
RADIUS. SNOW PRECLUDES NEGATION OF AREA.

25X1D

25X1D

SHIRVANSKAYA MRBM LAUNCH SITE 4425N 03954E
NO NEW SSM ACTIVITY IDENTIFIED IN WESTERN PORTION
OF SEARCH AREA.
SNOW COVER AND SMALL SCALE PRECLUDE NEGATION OF AREA.

25X1D

KHMELNITSKIY FIXED FIELD TYPE LAUNCH SITE 4925N 02706E
NO APPARENT CHANGE SINCE [REDACTED] NO
CONSTRUCTION ACTIVITY OR MISSILE-ASSOCIATED EQUIPMENT
OBSERVED.

25X1D

25X1D

YARMOLINTSY FIXED FIELD TYPE LAUNCH SITE 4912N 02646E
NO APPARENT CHANGE SINCE [REDACTED] NO
CONSTRUCTION ACTIVITY OR MISSILE-ASSOCIATED EQUIPMENT

25X1D

TOP SECRET CHESS RUFF

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OBSERVED.

25X1A

25X1D

SARY-SHAGAN ANTIMISSILE TEST CENTER 4602N 07334E

MOST FACILITIES AT THE CENTER ARE COVERED BY FAIR-TO-GOOD QUALITY PHOTOGRAPHY. SNOW COVER LIMITS INTERPRETATION.

LAUNCH COMPLEX A (SITE 2830) -- MINOR ACTIVITY IS OBSERVED AT ALL SITES, HOWEVER THERE ARE NO SIGNIFICANT CHANGES IN THE COMPLEX.

LAUNCH COMPLEX B (SITE 1814) -- ROADS AT FACILITY B HAVE NOT BEEN CLEARED. SNOW COVER PRECLUDES DETAILED INTERPRETATION OF REMAINDER OF COMPLEX.

25X1D

BASE SUPPORT AREA -- NO SIGNIFICANT CHANGE SINCE [REDACTED] THE RUNWAY AT THE AIRFIELD HAS BEEN CLEARED OF SNOW.

HEN HOUSE ANTENNA -- NO SIGNIFICANT CHANGE.

HEN ROOST ANTENNAS -- THE BUILDING UNDER CONSTRUCTION PARALLELING AND JUST EAST OF THE CONTROL BUILDING IS COMPLETE. THERE IS NO APPARENT CHANGE AT THE HEN ROOST ANTENNA SOUTH OF THE SUPPORT AREA.

INSTRUMENTATION SITE 1 -- A GROUND SCAR EXTENDS NORTHWEST FROM THE SITE FOR APPROXIMATELY 10,500 FT. CONSTRUCTION CONTINUES AT THE SECOND TRACKING STATION.

INSTRUMENTATION SITE 2 -- THE OBJECTS ON THE ROOF OF THE TWO SMALL BUILDINGS APPEAR SQUARE IN CONFIGURATION. WHAT APPEARS TO BE A CIRCULAR WALL, APPROXIMATELY 110 FT IN DIAMETER, WITH AN OBJECT IN THE CENTER IS OBSERVED ON THE ROOF OF THE BUILDING JUST NORTH OF THE MODIFIED L-SHAPED BUILDING. THE COMBINED HEIGHT OF THE BUILDING AND CIRCULAR WALL IS ESTIMATED AT 85 FT. A POWER LINE IS BEING CONSTRUCTED FROM THE VICINITY OF THIS BUILDING TOWARD A TOWER 8,800 FT TO THE NORTH. THIS TOWER WAS CONSTRUCTED SOMETIME BETWEEN [REDACTED]

25X1D

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[REDACTED] A GROUND SCAR OR TRAIL CONNECTS THIS NEW TOWER WITH THE SITE OF THE OLD TOWER 4,500 FT SOUTHWEST OF THE BUILDING TRIAD. THE OLD TOWER APPEARS TO HAVE BEEN DISMANTLED.

INSTRUMENTATION SITE 3 -- NO APPARENT CHANGE.

INSTRUMENTATION SITES 4, 9, 11 AND 12 -- IDENTIFICATION ONLY.

INSTRUMENTATION SITES 5-8 AND 14 -- NOT COVERED BY PHOTOGRAPHY.

INSTRUMENTATION SITE 10 -- ONE OR POSSIBLY TWO OBJECTS ARE POSITIONED ON THE ROOF OF THE LARGE RECTANGULAR BUILDING IN THE TRIAD. AN UNIDENTIFIED OBJECT IS LOCATED ON THE ROOF OF EACH OF THE TWO SMALL BUILDINGS.

POSSIBLE INSTRUMENTATION SITE 13 -- EXTERIOR CONSTRUCTION APPEARS COMPLETE ON THE FOUR BUILDINGS OBSERVED UNDER CONSTRUCTION AT THE NORTHEAST SUPPORT AREA. THREE ADDITIONAL BUILDING FOUNDATIONS ARE NOW APPARENT. WORK CONTINUES ON THE TWO LINEAR EXCAVATIONS LOCATED NORTH OF THE TRIAD AND ON THE STRUCTURE IN THE CENTER OF THE NORTH EXCAVATION. THE SOUTH SITE IS NOW BEING EXCAVATED ALONG ITS ENTIRE LENGTH AND INITIAL WORK ON A PROBABLE STRUCTURE LOCATED AT THE CENTER OF THE EXCAVATION IS OBSERVED.

SAM TRAINING SITE -- LAUNCH SITES AND SUPPORT AREAS APPEAR ACTIVE. SINCE [REDACTED] A NUMBER OF BUILDINGS IN THE MAIN SUPPORT AREA HAVE BEEN REARRANGED AND SEVERAL ADDITIONAL STRUCTURES HAVE BEEN ADDED.

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS --

LAUNCH COMPLEX A --	[REDACTED]	25X1D
LAUNCH COMPLEX B --	[REDACTED]	
MAIN HOUSING COMPLEX	[REDACTED]	25X1D
SARY-SHAGAN AIRFIELD	[REDACTED]	
DIRT STRIP --	[REDACTED]	25X1D
HEN HOUSE ANTENNA --	[REDACTED]	
HEN ROOST ANTENNAS --	[REDACTED]	
INSTRUMENTATION SITE 1 --	[REDACTED]	25X1D
INSTRUMENTATION SITE 2 --	[REDACTED]	
INSTRUMENTATION SITE 3 --	[REDACTED]	
INSTRUMENTATION SITE 10 --	[REDACTED]	

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25X1D

POSSIBLE INSTRUMENTATION SITE 13 -- [REDACTED]
SAM TRAINING SITE -- A/70 (62-11)

25X1A

25X1D

SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA) 4107N 10820E

THE ONLY CHANGES OBSERVED ARE AT THE MAIN SUPPORT BASE WHERE 19 NEW BUILDINGS ARE UNDER CONSTRUCTION. THE THERMAL ELECTRIC POWER PLANT IS ACTIVE. STEAM OBSERVED COMING FROM ONE COOLING TOWER. EIGHT POSSIBLE AIRCRAFT OBSERVED ON THE ALERT APRON AT SHUANG-CHENG-TZU AIRFIELD.

25X1D

EMBA MISSILE-ASSOCIATED INSTALLATION 4835N 05804E

25X1D

THE ONLY APPARENT CHANGE SINCE [REDACTED] IS PROBABLE CONSTRUCTION ACTIVITY APPROXIMATELY 0.5 NM WEST OF EMBA BETWEEN THE RAILROAD LINE AND THE RIVER BANK.

AIRCRAFT -- 19 UNIDENTIFIED AIRCRAFT.

25X1D

RYBINSK AIRCRAFT ENGINE PLANT 36 5803N 03849E

RYBINSK NOT COVERED. NO ROCKET ENGINE TEST FACILITY OBSERVED IN CLOUD-FREE AREAS WITHIN A 35-NM RADIUS OF RYBINSK. SEARCH AREA CANNOT BE NEGATED.

25X1D

PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN (CH) 3950N 11608E

12.6 NM WSW OF PEIPING.

FACILITY CONTAINS THREE VERTICAL STATIC TEST STANDS, A HORIZONTAL TEST SITE, ASSEMBLY/CHECKOUT BUILDINGS, A FUEL STORAGE AREA, A POSSIBLE LOX PLANT, AND A HOUSING OR POSSIBLE R & D AREA. THE FLAME PIT AT

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THE LARGEST VERTICAL TEST STAND HAS BEEN DEEPENED. IN THE SECURED AREA 2-NM SSE A STACK ADJACENT TO A PROBABLE BOILER HOUSE IS EMITTING SMOKE AND A NEW EXCAVATION IS APPARENT. THE FUNCTION OF THIS AREA CAN NOT BE DETERMINED.

(ATTACHMENT 1)

25X1A

25X1D

VOLGOGRAD SUSPECT ROCKET ENGINE PLANT 4845N 04430E
NO ROCKET TEST FACILITIES, MISSILE-RELATED EQUIPMENT OR UNIDENTIFIED INDUSTRIAL FACILITIES OBSERVED IN CLOUD-FREE AREAS WITHIN 25-NM RADIUS OF VOLGOGRAD.

25X1D

ORENBURG AIRFRAME PLANT 47 5147N 05507E
NO AIRCRAFT OR MISSILE-RELATED EQUIPMENT DISCERNIBLE.
NEW CONSTRUCTION CONNECTING TWO EXISTING HANGAR-TYPE BUILDINGS OBSERVED ON [REDACTED] IS COMPLETE.

25X1D

25X1D

PISZ SUSPECT SAM AREA (POLAND) 5337N 02140E
NO EVIDENCE OF SAM ACTIVITY WITHIN 25-NM RADIUS OF PISZ.

25X1D

VLADIVOSTOK NAVAL BASE AND SHIPYARD 202 4306N 13156E
NO EVIDENCE OF GUIDED MISSILE SUBMARINE OR SURFACE SHIP CONSTRUCTION, CONVERSION OR FITTING OUT, NEW NAVAL GUIDED MISSILE STORAGE, [REDACTED]

25X2

25X2

25X2

(SEE COMOR [REDACTED])

25X1A

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NO NEW SUBMARINE BASES OBSERVED WITHIN 50-NM RADIUS.

THE HARBOR IS PARTIALLY FROZEN WITH APPROACHES CLEAR.

GOLDEN HORN BAY -- 35 MERCHANT SHIPS,
NUMEROUS MINOR COMBATANTS AND MISCELLANEOUS CRAFT.

SHIPYARD 202--ONE SUBMARINE AND SEVERAL SMALLER
VESSELS IN GRAVING DOCK.

25X1D

BUKHTA DIOMID AND BUKHTA ULIS--NO SUBMARINES BUT
NUMEROUS MISCELLANEOUS CRAFT.

25X1A

SOVETSKAYA GAVAN NAVAL BASE AND SHIPYARD 263 4858N 14017E

NO APPARENT CHANGE IN FACILITIES IN SHIPYARD SINCE -

25X1D

VESSELS -- (ALL ICE-BOUND) 5 SUBMARINES AT
SUBMARINE BASE, 3 DESTROYERS AND ONE DESTROYER
ESCORT AT PETROLEUM STORAGE PIER, 6 MINOR COMBATANTS
AT MOTOR TORPEDO BOAT BASE, 10 SURFACE VESSELS AT
NAVAL BASE AND SHIPYARD, AND NUMEROUS SMALL UNITS
THROUGHOUT HARBOR AREA.

25X1D

SVYATOY NOS MYS POSS NAVAL MSLE SUPPORT BASE 6810N 03945E

NO NAVAL MISSILE SUPPORT BASE OBSERVED.

25X1D

MOSCOW SUSPECT ABM AREA 5545N 03737E

25X1D

CHANGES SINCE [REDACTED] INCLUDE
CONTINUED CONSTRUCTION OF SERVICE ROADS AT THE
UNIDENTIFIED INSTALLATION AT 55-18-20N 036-32-30E AND
ADDITION OF FIVE BUILDINGS IN THE SUPPORT AREA SOUTH
OF THE INSTALLATION. TWO UNIDENTIFIED STRUCTURES ARE
OBSERVED SOUTH OF THE MAIN BUILDING. THE TWO
PREVIOUSLY REPORTED PLUS CONFIGURATIONS AT 56-04-05N

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038-27-40E ARE SNOW COVERED.

A STUDY OF SA-1 SAM SITES C-02, 05, 10, 14, 16, 17, 19, 24, 28, 30 AND E-01, 02, 03, 04, 19, 27 AND 36 REVEALED NO SIMILARITY TO SITES E-05, 15, 24, AND 33. TWO EARTHEN WALLS HAVE BEEN CONSTRUCTED PARALLEL TO THE RIB ROAD AT THE AREA OF PREVIOUSLY REPORTED CONSTRUCTION ACTIVITY AT SAM SITE C-33-1.

25X1A

25X1D

KOMSOMOLSK, SUSPECT ABM AREA 5200N 13700E

ONLY THE NORTHERN ONE-THIRD OF THE SEARCH AREA IS COVERED BY PHOTOGRAPHY. SEARCH IS SEVERELY LIMITED BY HEAVY CLOUDS AND HAZE. NO ABM FACILITIES OBSERVED IN THE VISIBLE PORTIONS.

25X1D

CHOKURDAKH, SUSPECT ABM AREA 7037N 14753E

SEARCH AREA NEARLY CLOUD-COVERED. NO HEN HOUSE, HEN EGG, OR OTHER SARY-SHAGAN-TYPE RADARS OR ACTIVITY OBSERVED IN THE VISIBLE PORTION ON THE SOUTHWEST EDGE OF THE SEARCH AREA.

25X1D

KIGILYAKH, SUSPECT ABM AREA 7325N 13959E

ONLY THE TIP OF THE ISLAND IS COVERED. NO ACTIVITY VISIBLE.

25X1D

TAPA EARLY WARNING RADAR SITE 5919N 02600E

NO APPARENT CHANGE SINCE [REDACTED] IN THE SIX ELEVATED RADAR POSITIONS, CONTROL BUNKER OR THE SUPPORT AREA. HEAVY SNOW COVER PRECLUDES DETAILED INTERPRETATION.

25X1D

25X1D

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25X1A

AMDERMA SUSPECT ABM RADAR 6943N 06145E

NO ABM RADAR ACTIVITY OBSERVED IN CLOUD-FREE AREAS
WITHIN A 50-NM RADIUS OF ABOVE COORDINATES.

25X1D

KOSISTY SUSPECT ABM RADAR 7937N 10945E

IDENTIFICATION ONLY.

25X1D

SORTAVALA AREA, EARLY-WARNING RADAR SITE 6153N 03027E

NO APPARENT CHANGE IN THE EIGHT ELEVATED POSSIBLE
RADAR POSITIONS, CONTROL BUNKER OR SUPPORT AREA.

HEAVY SNOW COVER PRECLUDES DETAILED INTERPRETATION.

25X1D

MISSILE BONDUS 1. ANGARSK AREA, SUSPECT AMM ACTIVITY 5253N 10315E

EIGHT NM WNW OF BELAYA AND 32 NM NW OF ANGARSK AT
52-53N 103-15E.

THE FACILITY INCLUDES A LINEAR EXCAVATION
APPROXIMATELY 2,400 FT LONG WITH A MAXIMUM WIDTH OF
APPROXIMATELY 300 FT. A LARGE STRUCTURE,
APPROXIMATELY 195 BY 195 FT, IN THE APPROXIMATE CENTER
OF THE EXCAVATION HAS A RECTANGULAR STRUCTURE
APPROXIMATELY 130 BY 35 FT ON THE NORTH SIDE AND
A BUILDING APPROXIMATELY 60 BY 40 FT ON THE SOUTH
SIDE.

JUST NORTH OF, AND PARALLEL TO, THE LINEAR EXCAVATION
IS AN APPROXIMATELY 2,100 BY 250 FT CLEARING WITH
EXCAVATION IN PROGRESS IN THE CENTRAL PORTION.
A LARGE STRUCTURE, APPROXIMATELY 200 BY 190 FT, IS
UNDER CONSTRUCTION IN THE APPROXIMATE CENTER OF THE
CLEARING. ANOTHER CLEARING, APPROXIMATELY 3,000 BY
250 FT, LOCATED JUST EAST OF THE OTHER TWO LINEAR

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CLEARINGS HAS UNIDENTIFIED ACTIVITY IN THE APPROXIMATE CENTER. THREE SEPARATE SUPPORT AREAS LOCATED NNE OF THIS FACILITY CONTAIN A TOTAL OF APPROXIMATELY 63 BUILDINGS, PREDOMINANTLY BARRACKS-TYPE AND SINGLE FAMILY DWELLINGS.

25X1D

SEVERAL AREAS OF UNIDENTIFIED ACTIVITY ARE LOCATED IN THE VICINITY OF THE LINEAR CLEARINGS AND EXCAVATIONS, HOWEVER, THE VEGETATION AND QUALITY OF PHOTOGRAPHY PRECLUDE IDENTIFICATION. THE ENTIRE FACILITY INCLUDING SUPPORT FACILITIES IS NEW SINCE

25X1D

THE LINEAR CLEARING JUST EAST OF THE LINEAR EXCAVATION IS NEW SINCE THE FACILITY IS SIMILAR IN CONSTRUCTION AND DEVELOPMENT TO RECENT ACTIVITY AT POSSIBLE INSTRUMENTATION SITE 13 AT SARY-SHAGAN ANTIMISSILE TEST CENTER. IT IS ALSO SIMILAR TO SITE 13 IN LINEAR EXCAVATION DIMENSIONS AND FEATURES, AND DIMENSIONS AND PLACEMENT OF STRUCTURES WITHIN THE LINEAR EXCAVATION.

(ATTACHMENT 2)

25X1D

MISSILE BONUS 2. SLAVUTA FIXED FIELD TYPE MRBM SITE 5016N 02657E
4 NM ESE OF SLAVUTA AND 9.3 NM ENE OF OSTROG LAUNCH AREA NO 1.

25X1D

SITE CONTAINS THREE ELONGATED CLEARINGS ON A DOUBLE LOOPED ROAD. NO MISSILE EQUIPMENT OR SUPPORT FACILITY OBSERVED. REVEALS A FAINT TRACE OF THE FIXED FIELD TYPE SITE. THE TWO OSTROG MRBM LAUNCH AREAS WERE COMPLETE AT THAT TIME.

25X1D

MISSILE BONUS 3. THE FOLLOWING SAM SITES HAVE BEEN IDENTIFIED THUS FAR ON MISSION 1004-1.

YOKANGA SAM SITE

5 NM ENE OF YOKANGA AT 68-03-00N 039-31-45E.
NEWLY IDENTIFIED COMPLETED PROBABLE SA-2
SAM SITE. USATC SERIES 200, SHEET 0051-25HL, 3D ED.

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MAY 63.

25X1D

[REDACTED]
MURMANSK SAM SITE

31 NM NNE OF MURMANSK AT 69-20-45N 034-00-00E.
NEWLY IDENTIFIED COMPLETED SA-3 SAM SITE. USATC
SERIES 200, SHEET 0051-18HL, 3D ED, APR 63.

25X1D

[REDACTED]
LENINGRAD SAM SITE

31.5 NM NNW OF LENINGRAD AT 60-27-15N 030-13-40E.
NEWLY IDENTIFIED SA-2 SAM SITE UNDER CONSTRUCTION.
USATC SERIES 200, SHEET 0103-25HL, 3D ED, JUN 62.

25X1D

[REDACTED]
PEIPING SAM SITE

21.5 NM SOUTH OF PEIPING AT 39-34-00N 116-24-40E.
NEWLY IDENTIFIED COMPLETED SA-2 LINK-TYPE SAM SITE.
USATC SERIES 200, SHEET 0381-1AL, 3D ED, JAN 63.

25X1D

25X1A

AIR FACILITIES

[REDACTED] RYAZAN/DYAGILEVO AIRFIELD 5439N 03935E
NO AIRCRAFT DISCERNIBLE.

25X1D

[REDACTED] USSURIYSK/VOZDVIZHENKA AIRFIELD 4355N 13156E

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D

25X1D

AIRCRAFT -- AT LEAST EIGHT UNIDENTIFIED AIRCRAFT.

25X1D

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TOP SECRET CHESS RUFF

25X1A

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ARTEM AIRFIELD NORTH 4323N 13209E

AIRCRAFT -- AT LEAST 28 UNIDENTIFIED SWEEP-WING ON
APRONS AND HARDSTANDS.

A DOUBLE-FENCED ASM STORAGE SITE CONTAINING 2 LONG
BUILDINGS AND 2 ASSOCIATED BUILDINGS IS NEWLY
IDENTIFIED IMMEDIATELY NORTH OF THE AIRFIELD AT
43-24-30N 132-10-00E. NO VEHICLES, MISSILES OR
SPECIAL WEAPONS HANDLING EQUIPMENT OBSERVED.

(SEE ATTACHMENT 3)

25X1D

KERCH/BAGEROVO AIRFIELD 4524N 03616E

AIRCRAFT -- 5 PROBABLE MEDIUM SWEEP-WING AND
5 POSSIBLE AIRCRAFT ON WEST PARKING APRON, AND
5 POSSIBLE AIRCRAFT ON EAST PARKING APRON.

25X1D

NO NEW CONSTRUCTION ACTIVITY DISCERNIBLE. NO ACTIVITY
OBSERVED AT BOMBING RANGE 2.5 NM NW.

25X2

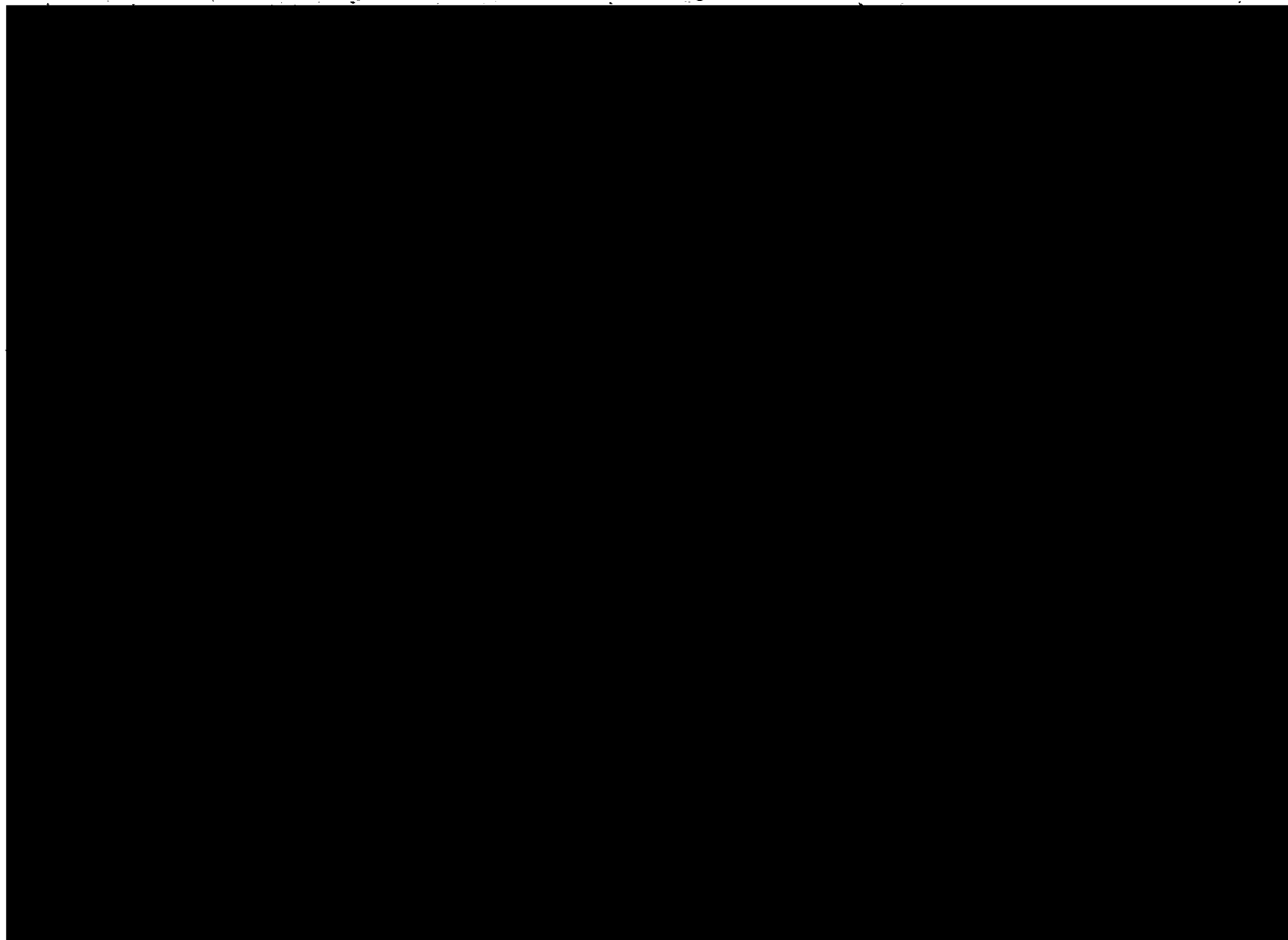
TOP SECRET CHESS RUFF

Next 2 Page(s) In Document Exempt

TOP SECRET CHESS RUFF

NPIC/R-148/64

25X2



25X1A

NAVAL ACTIVITY/PORTS

██████ TALLINN NAVAL BASE & SHIPYARD MORSKOY ZAVOD 5927N 02444E

FACILITIES INCLUDE THREE LARGE STRUCTURES, A LONG
QUAY, AND SMALLER BUILDINGS. ICE BREAKER ACTIVITY
EVIDENT IN FROZEN HARBOR. OBLIQUITY PRECLUDES

22

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-148/64

25X1D

VESSEL COUNT.

25X1A

NOVOROSSIYSK NAVAL BASE 4443N 03746E

NO SUBMARINE FACILITIES IDENTIFIED.

VESSELS -- 9 TANKERS, 6 OTHER MERCHANT VESSELS, AND
ONE OCCUPIED FLOATING DRY DOCK.

25X2

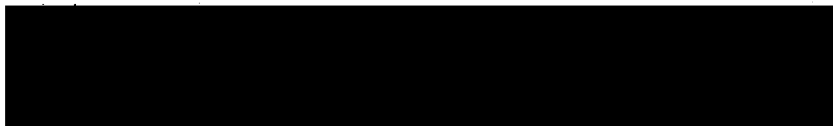
25X1D

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-148/64

25X2



25X1A

ELECTRONICS/COMMUNICATIONS

ANADYR, AMM ELECTRONICS SEARCH 6444N 17728E

NO AMM ELECTRONICS FACILITIES OBSERVED. SOUTHWESTERN
ONE-THIRD OF SEARCH AREA NOT COVERED.



25X1D

SAMODED, SUSPECT COMMUNICATIONS FACILITY 6336N 04028E

ONLY EASTERN 15 PERCENT OF SEARCH AREA COVERED.
NO COMMUNICATIONS FACILITIES OBSERVED.



25X1D

EMBA MISSILE TRACKING FACILITY 4836N 05809E

ORIENTATION OF LONG AXIS OF NEAR SPACE TRACKING
FACILITY, TELEMETRY RECEIVING ARRAYS, AND SUSPECT
TRACKING ANTENNAS IS



25X1D

NO APPARENT CHANGE IN FACILITIES SINCE



25X1D



25X1D

COMPLEXES

PEIPING COMPLEX (CHINA) 3955N 11623E

INDUSTRIES ACTIVE. STACKS EMITTING SMOKE OBSERVED AT
THE PEIPING THERMAL POWER PLANT AND THE SHIH-CHING-
CHAN IRON AND STEEL PLANT.

SMALL SCALE PHOTOGRAPHY PRECLUDES DETERMINATION OF THE
NUMBER AND TYPE OF CARS IN CLASSIFICATION YARDS.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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25X1D

25X1A

YAKUTSK COMPLEX 6203N 12943E

THE COMPLEX COVERS APPROXIMATELY 6 SQUARE MILES. NO MAJOR INDUSTRIES OBSERVED. SECURED STORAGE, POSSIBLY MILITARY, OBSERVED TO THE WEST AND NORTH. SMALL THERMAL POWER PLANT ON WEST SIDE OF A BRANCH OF THE LENA RIVER IS ACTIVE.

YAKUTSK AIRFIELD 4 NM NNE OF THE CITY IS CLEARED OF SNOW AND 13-15 SMALL AIRCRAFT ARE OBSERVED.

YAKUTSK AIRFIELD 2 NM NNW OF THE CITY PREVIOUSLY REPORTED AS ABANDONED APPEARS TO HAVE SOME NEW ACTIVITY ALONG THE NE EDGE.

A NEW KRUG SITE IS LOCATED APPROXIMATELY 6 NM SSW OF YAKUTSK AT 61-55N 129-37E. NO AIRCRAFT OBSERVED. RUNWAY IS SNOW COVERED.

25X1D

OTHER ACTIVITY

JAO-HO NATL DEF LINE CONSTR (CHINA) 4713N 13343E

NO EVIDENCE OF TROOP CONCENTRATIONS, FIELD FORTIFICATIONS, OR OTHER TYPES OF MILITARY BUILDUP OBSERVED IN BORDER AREA.

25X1D

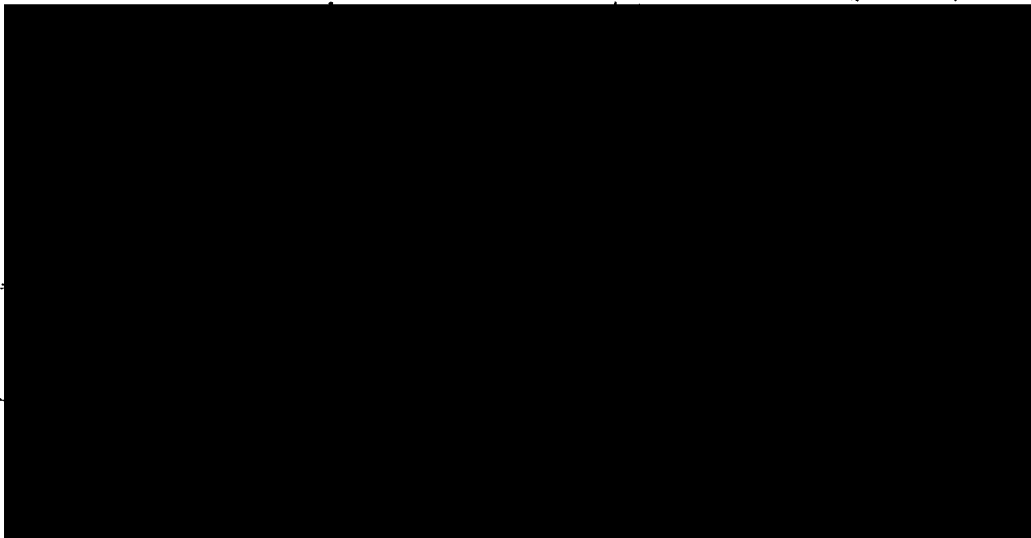
25X2

25X1D

TOP SECRET CHESS RUFF

25X1D

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INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 1004-1. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 1004-1 IN WHICH THE TARGET WAS REPORTED. THE LETTERS NO IN THE OAK COLUMN INDICATE THAT THE TARGET WAS NOT OBSERVED DUE TO THE ADVERSE WEATHER OR OTHER CONDITIONS, AND THE LETTERS NC INDICATE THAT THE TARGET WAS NOT COVERED BY THE PHOTOGRAPHY.

<u>COMOR</u>	<u>INSTALLATION NAME</u>	<u>COORDINATES OAK</u>
	PLESETSK ICBM COMPLEX	6256N 04039E NC
	YURYA ICBM COMPLEX	5903N 04919E I
	VERKHNYAYA SALDA ICBM COMPLEX	5802N 06023E II
	TYURATAM MISSILE TEST CENTER	4550N 06318E NC
	YOSHKAR-OLA ICBM COMPLEX	5634N 04801E NC
	SVOBODNYI ICBM COMPLEX	5146N 12807E II
	DROVYANAYA ICBM COMPLEX	5132N 11301E NC
	KOSTROMA ICBM COMPLEX	5746N 04101E II
	ITATKA ICBM COMPLEX	5650N 08536E NC
	SHADRINSK ICBM COMPLEX	5608N 06341E NC

25X1A

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TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1A

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OMSK ICBM COMPLEX	5503N 07330E	NC
PERM ICBM COMPLEX	5742N 05619E	II
TEYKQVO ICBM COMPLEX	5652N 04035E	I
TYUMEN ICBM COMPLEX	5652N 06553E	I
YEDROVO ICBM COMPLEX	5751N 03341E	II
GLADKAYA ICBM COMPLEX	5605N 09213E	II
BRATSK, SUSPECT SSM AREA	5605N 10148E	NO
NOVOSIBIRSK ICBM COMPLEX	5516N 08257E	I
KOZELSK ICBM COMPLEX	5357N 03548E	NC
OLOVYANNAYA ICBM COMPLEX	5048N 11550E	I
KOVYLKINO SUSPECT ICBM AREA	5402N 04356E	II
HAZANKA MRBM LAUNCH SITE	4454N 03420E	NC
TALLINN SUSPECT SSM AREA	5924N 02444E	I
GVARDEYSK MRBM LAUNCH SITE 2	5445N 02109E	I
SLEDYUKI POSSIBLE MRBM LAUNCH SITE	5341N 03020E	NO
UZHGOROD MRBM LAUNCH SITE	4833N 02213E	NC
LENINAKAN/YEREVAN SUSPECT MRBM AREA	4048N 04350E	NC
SLAVSK MRBM LAUNCH SITE 2	5500N 02129E	I
ZNAMENSK MRBM LAUNCH SITE 1	5433N 02111E	I
GUSEV MRBM LAUNCH SITE 1	5441N 02205E	I
OVRUCH MRBM LAUNCH SITE 1	5117N 02816E	NC
KOROSTEN MRBM LAUNCH SITE 1	5051N 02818E	NC
YELSK MRBM LAUNCH SITE 1	5142N 02912E	NC
BALTA MRBM LAUNCH SITE 1	4801N 02933E	NC
BORKHOV MRBM LAUNCH SITE 1	5218N 03043E	NO
JONAVA MRBM LAUNCH SITE	5501N 02414E	I
VORU MRBM LAUNCH SITE 2	5749N 02650E	I
VEPRIAI MRBM LAUNCH SITE	5508N 02438E	I
SIMUNA MRBM LAUNCH SITE	5908N 02626E	II
GRESK MRBM LAUNCH SITE 1	5314N 02742E	NC
YEREVAN SUSPECT MRBM AREA	4011N 04430E	NC
TAPA SUSPECT MISSILE AREA	5916N 02558E	II
RAGNIT MRBM LAUNCH SITE	5501N 02211E	I
LIDA MRBM LAUNCH SITE 1	5347N 02521E	I
VSELYUB MRBM LAUNCH SITE 1	5346N 02543E	NC
GROSS STEFFELSDORF, SUSPECT MRBM AREA (CZECH)	4823N 02002E	NC
ZIPSER NEUDORF, SUSPECT MRBM AREA (CZECH)	4857N 02034E	NC
ZELENA-FRYDEK, SUSPECT MRBM AREA (CZECH)	4941N 01821E	NC
RUZOMBEROK, SUSPECT MRBM AREA (CZECH)	4905N 01919E	NC
BOZNSKA BYSTRICA, SUSPECT MRBM AREA (CZECH)	4844N 01909E	NC
KARA-BABAU IRBM LAUNCH SITE 2	4431N 07758E	NC
AKHTYRKA MRBM LAUNCH SITE 1	5015N 03450E	NO
ZHITOMIR MRBM LAUNCH SITE 1	5004N 02816E	NC
LIPNIKI MRBM LAUNCH SITE	5112N 02826E	NC
PETRIKOV MRBM LAUNCH SITE	5210N 02834E	NC
PETROVSKIY IRBM LAUNCH SITE	5000N 05658E	II
KUSHKA, SUSPECT SSM AREA	3516N 06224E	NC
BAYRAM ALI IRBM LAUNCH SITE	3746N 06212E	NC

TOP SECRET CHESS RUFF

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KOZHANOVICHI MRBM LAUNCH SITE 1	5210N 02751E NC
BERDICHEV MRBM LAUNCH SITE	5005N 02822E NC
ROZHDESTVENKA MRBM LAUNCH SITE	4547N 13343E I
UDOLNYY MRBM LAUNCH SITE	6446N 17758E I
URECHYE MRBM LAUNCH SITE	5311N 02758E NC
KURDZHIPSKAYA MRBM LAUNCH SITE	4431N 04000E II
SAKI, SUSPECT SSM AREA	4507N 03336E NC
TAYBOLA IRBM LAUNCH SITE 1	6828N 03315E I
SKRUNDA IRBM LAUNCH SITE	5635N 02149E I
KARAKHOBDA IRBM LAUNCH SITE	4957N 05651E II
GRANOV IRBM LAUNCH SITE 2	4849N 02929E NC
SMORGON IRBM LAUNCH SITE 2	5426N 02618E NC
TAYBOLA IRBM LAUNCH SITE 2	6830N 03323E I
GURLEVO MRBM LAUNCH SITE	5925N 02852E I
OTYNYA MRBM LAUNCH SITE	4847N 02450E II
RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE	5104N 02807E NC
SOKAL MRBM LAUNCH SITE 3	5020N 02426E II
LIELELEJA MRBM LAUNCH SITE	5624N 02336E I
IECAVA MRBM LAUNCH SITE	5633N 02420E NC
JABAL HAMZI SSM TEST LAUNCH FACILITY (EGYPT)	3007N 03037E NC
REDKINO MRBM LAUNCH SITE	5724N 02826E I
TYM MRBM LAUNCH SITE	3939N 06542E NC
TAYBOLA IRBM LAUNCH SITE 3	6825N 03329E I
NOVOSYSOYEVKA IRBM LAUNCH SITE 2	4407N 13327E NC
SHIRVANSKAYA MRBM LAUNCH SITE	4425N 03954E II
TSIRGULIINA MRBM LAUNCH SITE	5749N 02612E NC
SEME NOVKA IRBM LAUNCH SITE 2	4753N 03057E NC
VAINODE IRBM LAUNCH SITE	5628N 02150E I
GELLI IRBM LAUNCH SITE	4245N 04728E NO
PARADL IRBM LAUNCH SITE	4247N 04723E NO
KAKASHURA IRBM LAUNCH SITE	4239N 04727E NO
KISHENTSY MRBM LAUNCH SITE	4900N 03013E NC
KALNIK IRBM LAUNCH SITE	4859N 02922E NC
BIKIN, SUSPECT MRBM/IRBM AREA	4649N 13416E I
NOVOSYSOYEVKA POSSIBLE IRBM LAUNCH SITE	4407N 13325E NC
KARA-BABAU IRBM LAUNCH SITE 3	4431N 07743E NC
LEJASCIEMS MRBM LAUNCH SITE 2	5713N 02633E NC
ACHKHODY-MARTAN MRBM LAUNCH SITE	4310N 04511E NO
ANASTASYEVKA PROB ALTERNATE MRBM LAUNCH SITE	4832N 13531E NC
KHME LNITSKIY FIXED FIELD TYPE LAUNCH SITE	4925N 02706E II
YARMO LINTSY FIXED FIELD TYPE LAUNCH SITE	4912N 02646E II
POSTAVY MRBM LAUNCH SITE	5506N 02700E NC
SOVETSKAYA GAVAN POSSIBLE MRBM LAUNCH SITE	4904N 14007E NO
KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER	4835N 04545E NC
UKA/PESCHANYY MISSILE TRACKING STATION	5756N 16201E I
SARY-SHAGAN ANTIMISSILE TEST CENTER	4602N 07334E II
MAKAT PROBABLE FIELD LAUNCH POINT (MRBM)	4758N 05342E NC
SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA)	4107N 10020E II

TOP SECRET CHESS RUFF

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WU-WEI SUSPECT GM ACTIVITY (CHINA)	3758N 10253E	NC
EMBA MISSILE-ASSOCIATED INSTALLATION	4835N 05804E	II
COLOMB-BECHAR MISSILE TEST RANGE (ALGERIA)	3139N 00216W	NC
HAMMAGUIR MISSILE TEST AREA (ALGERIA)	3050N 00305W	NC
MENOUARAR MISSILE TEST RANGE (ALGERIA)	3110N 00216W	NC
SHUANG-CHENG-TZU 150 NM IMPACT AREA (CHINA)	4026N 09635E	NC
SHUANG-CHENG-TZU 350 NM IMPACT AREA (CHINA)	4024N 09225E	NC
SHUANG-CHENG-TZU 650 NM IMPACT AREA (CHINA)	4041N 08600E	NC
DNEPROPETROVSK MISSILE DEVELOP PROD CENTER	4826N 03459E	NO
ZAGORSK ROCKET ENG TEST FACILITY KRASNOZAVODSK	5627N 03812E	I
KURUMOKH ROCKET ENGINE TEST FACILITY	5331N 04949E	NO
PERM ARMS PLANT MOTOVILIKHA MOLOTOV 172	5802N 05617E	I
KRASNOYARSK EXPLOSIVES PLANT ZLOBINO	5602N 09303E	NC
KUYBYSHEV AIRFRAME PLANT STALIN 1	5313N 05018E	NC
OMSK STATIC TEST FACILITY	5527N 07322E	NC
KHARKOV AREA MISSILE PROD SEARCH	4959N 03614E	NO
VORONEZH STATIC TEST FACILITY	5134N 03908E	NC
RYBINSK AIRCRAFT ENGINE PLANT 36	5803N 03849E	II
KUTAISI MOTOR VEHICLE PLANT	4216N 04237E	NC
PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN (CH)	3950N 11608E	II
PERM ROCKET ENGINE TEST FACILITY	5801N 05634E	I
SARATOV AIRFRAME PLANT 292	5130N 04557E	I
TBILISI AIRFRAME PLANT 31	4140N 04452E	NO
VOLGOGRAD SUSPECT ROCKET ENGINE PLANT	4845N 04430E	II
HSE-AN AIRFRAME PLANT YEN-LIANG AF (CHINA)	3439N 10915E	NO
ORENBURG AIRFRAME PLANT 47	5147N 05507E	II
STERLITAMAK AREA, PROB STAT TEST FACILITY	5344N 05558E	I
UFA PROBABLE STATIC TEST STAND	5459N 05604E	I
PERM AIRCRAFT ENGINE PLANT STALIN 19	5759N 05615E	I
BIYSK PROB STATIC TEST FACILITY	5229N 08507E	I
PERM PROBABLE STATIC TEST FACILITY	5758N 05549E	I
KAMENSK-SHAKHTINSKIY PROB STATIC TEST FACILITY	4819N 04016E	NC

NOVE MESTO POD SMRKEN SUS MSL AREA (CZECH)	5056N 01515E	NC
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OZERNYY, SSM SEARCH	6624N 17906W	I
NONGKODJADJAR AREA, SUSPECT MISSILE SITE (ID)	0754S 11248E	NC
USTKA SUSPECT SAM AREA (POLAND)	5430N 01655E	NC
KOSZALIM SUSPECT SAM AREA (POLAND)	5410N 01618E	NC
STRZEBIELINO SUSPECT SAM AREA (POLAND)	5435N 01800E	NC
OLSZTYN SUSPECT SAM AREA (POLAND)	5347N 02029E	NC
PISZ SUSPECT SAM AREA (POLAND)	5337N 02140E	II
DOPIEDO SUSPECT SAM AREA (POLAND)	5220N 01640E	NC
BIEDRUSKO SUSPECT SAM AREA (POLAND)	5233N 01657E	NC
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	6434N 03949E	NO
SEVEROMORSK SUSPECT NAVAL MISSILE STORAGE	6906N 03328E	I
KOMSOMOLSK SHIPYARD AMUR-199	5033N 13702E	NO
SAYDA GUBA SUBMARINE BASE	6915N 03321E	I

TOP SECRET CHESS RUFF

25X1A

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BALTIYSK NAVAL BASE	5439N 01955E	I
OLENYA GUBA SUBMARINE BASE	6913N 03323E	I
POLYARNYY NAVAL BASE	6912N 03328E	I
LITSA BAY SUBMARINE BASE	6926N 03224E	I
YOKANGA NAVAL BASE AND SHIP REPAIR YARD	6804N 03932E	I
PETROPAVLOVSK/KAMCHATSKIY SUBMARINE BASE	5255N 15830E	NO
VLADIMIR SUBMARINE BASE	4355N 13528E	I
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202	4306N 13156E	II
KALININGRAD SUSPECT NAVAL MISSILE STORAGE	5450N 02028E	I
URA GUBA NAVAL BASE	6920N 03249E	I
PALA GUBA NAVAL BASE AND SHIP REPAIR YARD	6912N 03326E	I
PETROVKA SHIPYARD	4307N 13220E	I
STREL'OK STRAIT NAVAL BASE ANNA	4252N 13232E	I
ABREK BAY NAVAL MISSILE SUPPORT FACILITY	4255N 13225E	I
DUNAY PROBABLE NAVAL MISSILE STORAGE	4256N 13220E	I
SOVETSKAYA GAVAN NAVAL BASE AND SHIPYARD 263	4858N 14017E	II
SVYATOY NOS MYS POSS NAVAL MSL SUPPORT BASE	6810N 03945E	II
MOSCOW SUSPECT ABM AREA	5545N 03737E	II
LENINGRAD PROBABLE ABM AREA	5955N 03020E	I
ANTIPINSKOYE SAM ACTIVITY	5254N 11332E	I
KOMSOMOL'SK, SUSPECT ABM AREA	5200N 13700E	II
BRATSK, SUSPECT ABM AREA	5654N 10030E	NO
CHOKURDAKH, SUSPECT ABM AREA	7037N 14753E	II
MYS'SHMIDTA, SUSPECT ABM AREA	6853N 17924W	NC
KHATANGA, SUSPECT ABM AREA	7159N 10230E	NO
KIGILYAKH, SUSPECT ABM AREA	7325N 13959E	II
TAPA EARLY WARNING RADAR SITE	5919N 02600E	II
AMDERMA SUSPECT ABM RADAR	6943N 06145E	II
KOSISTY SUSPECT ABM RADAR	7337N 10945E	II
ASTRAKHAN POSSIBLE ABM RADAR	4620N 04801E	NC
DIKSON, POSSIBLE ABM RADAR	7331N 08022E	NC
SORTAVALA AREA, EARLY-WARNING RADAR SITE	6153N 03027E	II
MOSCOW SAM SITE E05-1	5614N 03835E	I
MOSCOW SAM SITE E33-1	5620N 03648E	I
MOSCOW SAM SITE E24-1	5521N 03629E	I
MOSCOW SAM SITE E15-1	5509N 03822E	I
KALIDJATI SAM TRAINING CENTER (INDONESIA)	0632S 10739E	NC
KALIDJATI AIRFIELD (INDONESIA)	0633S 10740E	NC
DAHSHUR SAM TRAINING AREA (EGYPT)	2948N 03111E	NC

AS SUWAYS SAM SITE B15-2 (EGYPT)	2948N 03241E	NC
BUR SAID SUSPECT SAM AREA (EGYPT)	3116N 03218E	NC
DUMYAT (DAMIETTA) SUSPECT SAM AREA (EGYPT)	3125N 03148E	NC

AS SUWAYS SAM SITE (EGYPT)	2943N 03220E	NC
POTI PROBABLE CRUISE MISSILE LAUNCH SITE 1	4210N 04139E	NC
ARKHANGELSK POSSIBLE ASM SUPPORT FACILITY	6421N 04043E	NO

TOP SECRET CHESS RUFF

25X1A

25X6

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MOZDOK MISSILE SUPPORT FACILITY

4344N 04421E NO

CHEPELEVKA AIRFIELD	4947N 03026E NC
DOLON AIRFIELD	5032N 07912E I
ENGELS AIRFIELD	5129N 04611E I
SIAULIAI AIRFIELD	5553N 02323E I
UKRAINA AIRFIELD	5110N 12826E I
BORZYA AIRFIELD NORTHWEST	5024N 11623E I
BARANOVICHI AIRFIELD	5306N 02603E I
MINSK/MACHULISHCHE AIRFIELD	5347N 02734E NC
OLENEGORSK AIRFIELD	6809N 03327E I
SPASSK-DALNIY AIRFIELD EAST	4437N 13253E NC
STRYY AIRFIELD	4914N 02348E NC
SREDNIY AIRFIELD	7930N 09110E NC
NORILSK AIRFIELD	6919N 08756E NC
GOFMANA AIRFIELD	8116N 06015E NC
NAGURSKAYA AIRFIELD	0047N 04733E NC
BELAYA AIRFIELD	5254N 10335E I
BYKHOV AIRFIELD	9331N 03012E NO
MOZDOK AIRFIELD	4347N 04436E NO
PITU AIRFIELD (INDONESIA)	0202N 12819E NC
KALININGRAD/PROVEREN AIRFIELD	5446N 02025E I
PRILUKI AIRFIELD	5034N 03219E NO
POLTAVA AIRFIELD	4937N 03430E NO
ORSHA AIRFIELD SOUTHWEST	5426N 03018E NO
BELAYA TSEKOV AIRFIELD	4947N 03001E NC
RYAZAN/DYAGILEVO AIRFIELD	5439N 03935E II
ZHEZOMIR/SKOMOROKHI AIRFIELD	5010N 02844E NC
NEZHIN AIRFIELD	5105N 03152E NO
ANISOVO GORODISHCHE AIRFIELD	5414N 03422E NO
GOMEL/PRIBYTKI AIRFIELD	5218N 03110E NO
BOBRUYSK AIRFIELD	5306N 02912E NO
ANADYR/LENINKA AIRFIELD	6442N 17742E I
ALEKSEYEVKA AIRFIELD	4915N 14014E I
OSTROV VRANGELYA/SOMNITELNAYA AIRFIELD	7057N 17936W NC
MELITOPOL AIRFIELD	4653N 03510E I
MIRGOROD AIRFIELD	4956N 03339E NO
USSURIYSK/VOZDVIZHENKA AIRFIELD	4355N 13156E II
KHOROL AIRFIELD EAST	4427N 13208E NC
ARTEM AIRFIELD NORTH	4323N 13209E II
OSTROV/GOROKHOVKA AIRFIELD	5718N 02826E I
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT	5535N 03807E I
KERCH/BAGEROVO AIRFIELD	4524N 03616E II
KU-CHENG AIRFIELD (CHINA)	3730N 11606E NO
WU-KUNG AIRFIELD (CHINA)	3417N 10815E NC
NAGCHHU QZONG AIRFIELD (TIBET)	3133N 09143E NC
LHASA AIRFIELD (TIBET)	3030N 09107E NC
SEMLAK AIRFIELD (INDONESIA)	0632S 10645E NC

TOP SECRET CHESS RUFF

25X1A

25X2

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MIRAN AIRFIELD (CHINA)
ASTRAKHAN AIRFIELD NORTHWEST

3917N 08045E NC
4625N 04755E NC

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

25X1A

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ODESSA SHIPYARD MARTI NAVAL BASE	4629N 03044E	NO
MAGADAN PORT FACILITIES NAGAYEVO	5934N 15043E	NO
TALLINN NAVAL BASE & SHIPYARD MORSKOY ZAVOD	5927N 02444E	II
FEODOSIYA NAVAL BASE AND SHIP REPAIR YARD	4501N 03524E	NC
KLAIPEDA NAVAL BASE & SHIPYARD	5542N 02108E	I
GDYNIA NAVAL BASE OKSYWIE (POLAND)	5432N 01833E	NC
NIKOLAYEV SHIPYARD NOSENKO 444	4657N 03159E	NC
NIKOLAYEV SHIPYARD NORTHERN 61 KOMMUNA 445	4659N 03201E	NC
BATUMI NAVAL BASE & SHIPYARD DZERZHINSKIY	4139N 04138E	NC
NOVOROSSIIYSK NAVAL BASE	4443N 03746E	II

25X2

BARANOVKA, SUSPECT ELECTRONICS FACILITY	4648N 13721E	NO
ANADYR, AMM ELECTRONICS SEARCH	6444N 17728E	II
SAMODED, SUSPECT COMMUNICATIONS FACILITY	6336N 04028E	II
YU-MEN, SUSPECT INSTRUMENTATION SITE (CHINA)	4017N 09712E	NC
LAPICHI COMMUNICATIONS SITE UNDER CONSTRUCTION	5325N 02831E	NC
TUN-HUANG AREA, SUSPECT RADAR SITE (CHINA)	4015N 09430E	NC
SHUANG-CHENG-TZU COMMUNICATIONS SITE	4207N 10103E	NC
EMBA MISSILE TRACKING FACILITY	4836N 05809E	II
TUNG-AN, MILITARY AREA (CHINA)	4532N 13152E	NC
LU-PIN, MILITARY ACTIVITY (CHINA)	4935N 11726E	I
TU-KO-MA-CHING TEST RANGE (CHINA)	4051N 10941E	NC
PEIPING COMPLEX (CHINA)	3955N 11623E	II
HSI-AN COMPLEX (CHINA)	3417N 10857E	NO
PAG-TOU COMPLEX (CHINA)	4036N 11001E	NC
NOR-LSK COMPLEX	6920N 08812E	NC
KRA-NOVODSK COMPLEX	4000N 05300E	NC
YAKUTSK COMPLEX	6203N 12943E	IF
LOP NOR CIRCULAR GROUND SCAR (CHINA)	4045N 08940E	NC
JAO-HO NATL DEF LINE CONSTR (CHINA)	4713N 13343E	II

TOP SECRET CHESS RUFF

25X1A

25X1D

25X1D

NPIC/R-140/64

25X2

BULYZHINO, STORAGE AREA

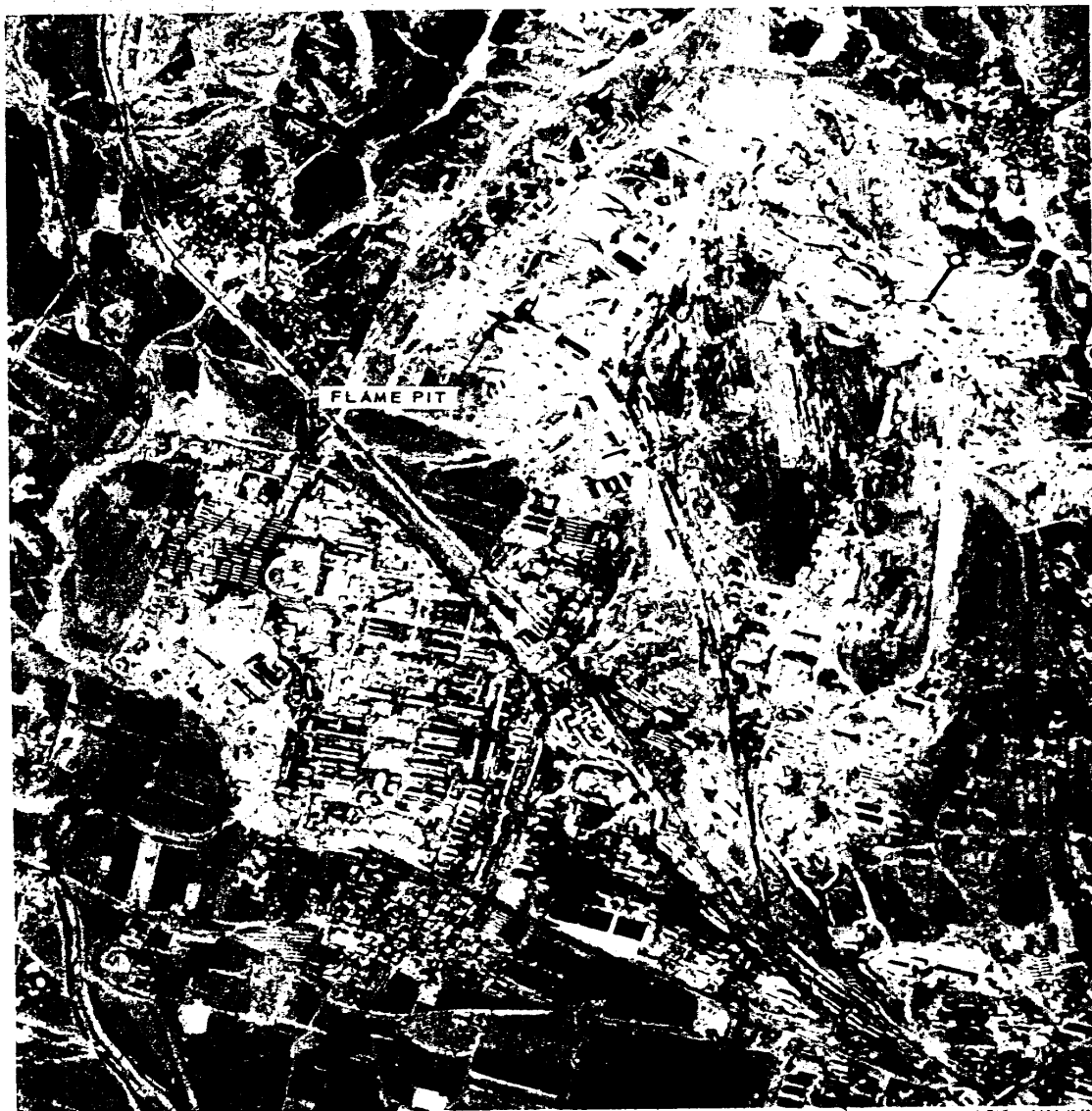
5615N 02819E NO

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

NPIC/R-140/64

ATTACHMENT 1

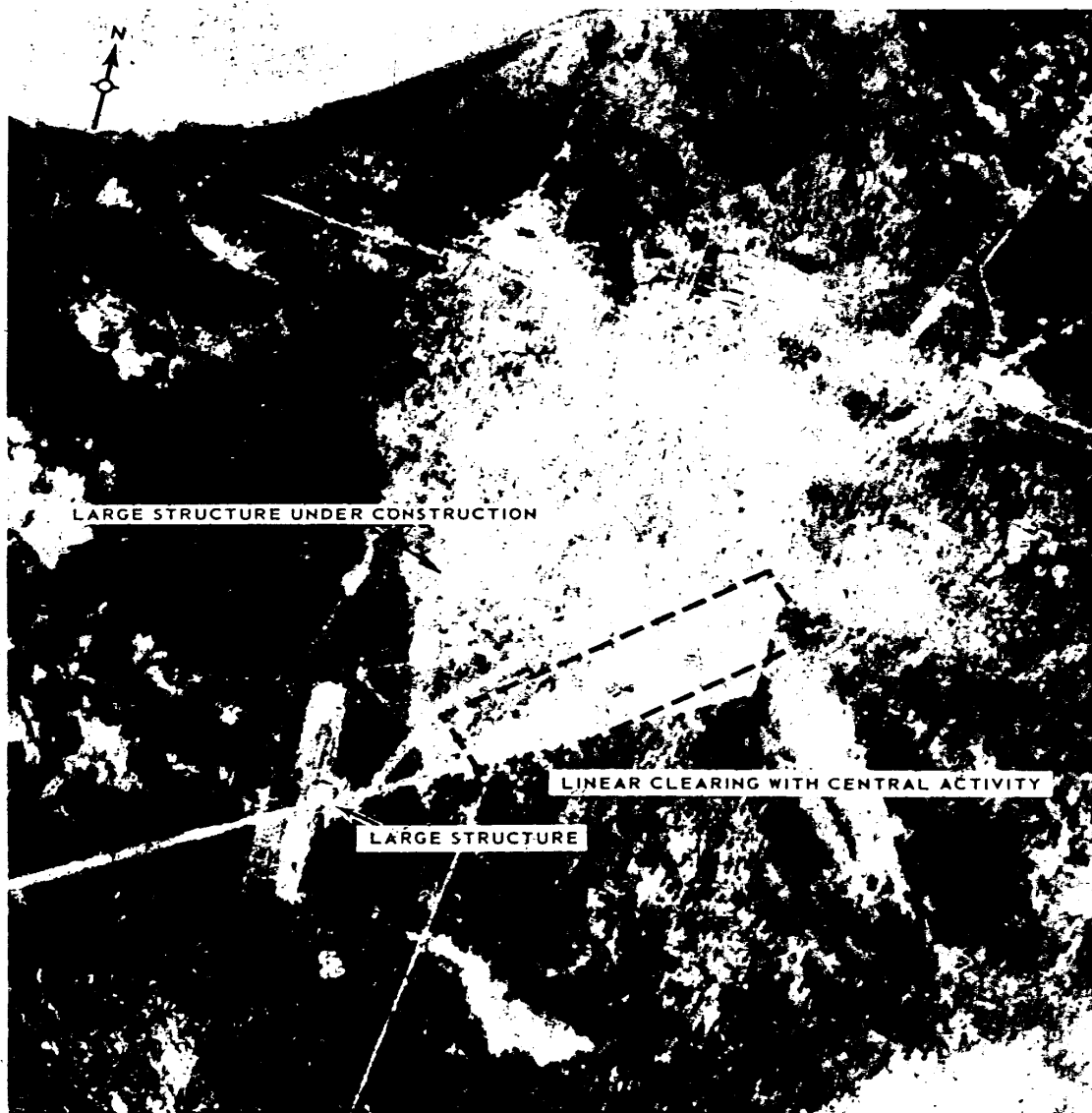


ROCKET ENGINE TEST FACILITY CHANG-HSIN-TIEN, PEIPING, CHINA.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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ATTACHMENT 2



SUSPECT AMM ACTIVITY, ANGARSK, USSR.

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

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ATTACHMENT 3



ARTEM AIRFIELD NORTH, ARTEM, USSR.

TOP SECRET CHESS RUFF

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